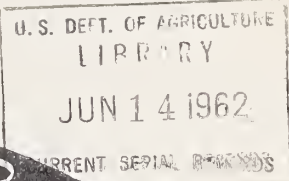


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OWNER SAMPLER

WEIGH-A-DAY-A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

ARS-44-115
(Vol. 38, No. 3)

MARCH 1962

NUMBER OF NATION'S DAIRY COWS BEING BRED ARTIFICIALLY

During 1961, 7,047,148 dairy cows, or 36.7 percent of the dairy cows and heifers that were 2 years old and over kept for milk were bred artificially. This year for the first time a report was obtained on the number of beef cows bred artificially through the AI organizations. During 1961, 435,592 beef cows were bred. The total number of cows, beef and dairy, bred artificially during 1961 was 7,482,740. This is 338,061, or 4.7 percent more cows than were bred artificially in 1961.

Wisconsin continued to lead the States in number of dairy cows bred artificially, with 1,291,835 cows bred in 1961. States in which more than 250,000 cows were bred artificially in 1961 are as follows:

State	Number dairy cows bred artificially	State	Number dairy cows bred artificially
Wisconsin	1,291,835	California	357,649
Minnesota	597,132	Michigan	311,630
Pennsylvania	585,367	Iowa	292,932
New York	584,253	Illinois	256,313
Ohio	365,633		

In 21 States 40 percent or more of the cows were bred artificially in 1961. They are:

State	Percent	State	Percent
Pennsylvania	59.2	Ohio	49.3
Maine	58.4	Oregon	46.9
Connecticut	56.4	Michigan	44.0
New Hampshire	55.5	Rhode Island	43.0
New Jersey	55.3	New York	41.9
Washington	55.2	Vermont	41.8
Wisconsin	53.8	Minnesota	41.6
Delaware	53.5	Illinois	40.7
Utah	52.9	California	40.6
Idaho	51.0	Florida	40.0
Massachusetts	50.3		

On the following pages are data showing the status of the artificial breeding program for the various States.

Issued April 1962

STATUS OF ARTIFICIAL-BREEDING PROGRAM IN THE UNITED STATES 1939-62

Year	Sires in service				Cows bred				Summarized dairy sires in service 1/							
	Studs	Dairy	Beef	Average	Herds	Dairy	Beef	Total	Average	Total	Number	Pounds	Dams	Fat	Milk	Daughters
	Number	Number	Number	per stud	Number	Number	Number	Number	per sire	Number	Number	Pounds	Number	Pounds	Pounds	Pounds
1939	7	-	-	4.7	646	-	-	7,359	228	-	-	-	-	-	-	-
1940	25	-	-	5.5	2,971	-	-	33,977	246	-	-	-	-	-	-	-
1941	35	-	-	6.8	5,997	-	-	70,751	299	-	-	-	-	-	-	-
1942	46	-	-	9.0	12,118	-	-	112,788	274	-	-	-	-	-	-	-
1943	59	-	-	9.7	23,448	-	-	182,524	318	135	9,554	387	10,155	419	10,155	419
1944	56	-	-	11.7	28,627	-	-	218,070	332	129	9,965	391	10,490	421	10,490	421
1945	67	-	-	10.9	43,998	-	-	360,732	495	147	9,629	387	10,488	428	10,488	428
1946	78	-	-	11.5	73,293	-	-	537,376	597	209	10,270	401	10,741	428	10,741	428
1947	84	-	-	17.3	140,571	-	-	1,184,168	815	335	10,099	405	10,580	430	10,580	430
1948	91	-	-	19.2	224,493	-	-	1,713,581	982	426	10,161	407	10,576	433	10,576	433
1949	90	-	-	21.6	316,177	-	-	2,091,175	1,078	514	10,157	412	10,499	436	10,499	436
1950	97	-	-	21.7	409,300	-	-	2,619,555	1,245	559	10,236	415	10,734	444	10,734	444
1951	94	-	-	23.3	548,300	-	-	3,509,573	1,605	634	10,267	419	11,009	459	11,009	459
1952	94	-	-	24.7	671,100	-	-	4,295,243	1,848	688	10,310	422	11,210	471	11,210	471
1953	96	-	-	27.1	755,000	-	-	4,845,222	1,865	953	10,375	429	11,176	473	11,176	473
1954	93	-	-	28.6	805,000	-	-	5,155,240	1,937	960	10,403	432	11,239	475	11,239	475
1955	79	-	-	31.0	845,900	-	-	5,413,874	2,210	863	10,575	436	11,265	476	11,265	476
1956	79	-	-	32.3	900,400	-	-	5,762,656	2,257	932	10,600	433	11,301	477	11,301	477
1957	75	-	-	35.3	946,000	-	-	6,055,982	2,284	1,074	10,626	440	11,304	477	11,304	477
1958	71	-	-	37.7	975,372	-	-	6,645,568	2,483	1,012	10,772	446	11,345	478	11,345	478
1959	64	-	-	38.4	930,059	-	-	6,932,294	2,816	963	10,918	451	11,493	482	11,493	482
1960	62	-	-	41.0	910,000	-	-	7,144,679	2,808	477	10,790	437	10,792	443	10,792	443
1961	56	-	-	44.4	863,781	-	-	7,482,740	3,010	488	11,181	445	11,172	452	11,172	452
1962	56	2,036	420	43.9	-	-	-	-	-	-	-	-	-	-	-	-

1/ Prior to 1962 sires for which dam and daughter records had been compiled were designated as "proved" sires.
 2/ Prior to 1946 cows were reported only on the basis of enrollment.
 3/ Estimated.

4/ Prior to 1960 records of sires in artificial breeding service included records of both non-AI and AI progeny. Since 1960 records of sires in artificial breeding service include records of AI progeny only.

STATUS OF ARTIFICIAL-BREEDING PROGRAM
(January 1, 1962)

State	Studs	Herds 1/	Cows bred in State during 1961			Milk cows in United States 2/	
			Dairy		Beef	Dairy cows bred	
			Registered 1/	Total			Total
	Number	Number	Number	Number	Number	Thousands	Percent
Alabama 3/-----	0	3,500	4,337	44,191	2,617	262	16.9
Alaska-----	1	100	85	1,595	-	-	-
Arizona-----	1	400	992	11,237	4	54	20.8
Arkansas 3/-----	0	4,900	4,374	30,525	4,990	234	13.0
California-----	5	14,500	25,465	357,649	6,248	881	40.6
Colorado-----	1	2,500	3,267	28,244	3,198	127	22.2
Connecticut-----	1	4,500	10,087	54,701	1,362	97	56.4
Delaware 3/-----	0	950	3,501	14,981	377	28	53.5
Florida 3/-----	0	2,300	6,457	85,168	3,444	213	40.0
Georgia 3/-----	0	1,200	4,259	41,369	1,467	226	18.3
Hawaii-----	1	26	467	5,996	1,467	-	-
Idaho 3/-----	0	12,500	7,664	111,750	2,589	219	51.0
Illinois-----	3	46,800	37,513	256,313	15,233	629	40.7
Indiana-----	1	35,000	18,447	161,752	8,497	463	34.9
Iowa-----	2	70,000	19,884	292,932	40,204	925	31.7
Kansas-----	1	11,000	9,887	92,340	10,587	374	24.7
Kentucky-----	1	37,000	3,072	132,023	861	549	24.0
Louisiana-----	1	5,700	6,887	58,156	3,805	271	21.5
Maine-----	1	3,600	1,052	61,885	318	106	58.4
Maryland-----	1	11,000	12,403	89,219	1,913	230	38.8
Massachusetts 3/-	0	5,100	11,993	50,264	1,421	100	50.3
Michigan-----	1	33,000	35,768	311,630	35,140	708	44.0
Minnesota-----	2	84,000	32,109	597,132	46,750	1,435	41.6
Mississippi-----	1	5,300	1,283	39,241	4,399	376	10.4
Missouri-----	1	45,000	14,632	144,627	21,630	723	20.0
Montana 3/-----	0	1,500	763	11,685	2,554	80	14.6
Nebraska-----	1	15,500	5,236	66,311	5,969	340	19.5
Nevada 3/-----	0	155	268	4,016	178	18	22.3
New Hampshire----	1	3,500	8,399	33,302	3,327	60	55.5
New Jersey-----	2	3,700	9,128	75,179	726	136	55.3
New Mexico 3/----	0	250	674	11,335	1,483	43	26.4
New York-----	1	53,000	18,859	584,253	94,656	1,393	41.9
North Carolina---	1	16,000	9,989	83,702	2,273	293	28.6
North Dakota 3/--	0	7,500	922	27,435	2,130	299	9.2
Ohio-----	2	69,000	55,784	365,633	22,073	742	49.3
Oklahoma 3/-----	0	1,800	2,363	18,547	1,292	264	7.0
Oregon-----	1	14,000	7,309	79,736	4,192	170	46.9
Pennsylvania-----	6	59,000	142,799	585,367	9,103	988	59.2
Puerto Rico-----	1	1,100	334	23,171	50	-	-
Rhode Island 3/--	0	450	1,041	6,454	415	15	43.0
South Carolina 3/	0	1,700	3,335	29,254	625	116	25.2
South Dakota 3/--	0	3,500	2,627	26,831	3,952	270	9.9
Tennessee-----	3	23,000	6,778	108,241	12,108	537	20.2
Texas-----	1	5,400	3,873	79,750	5,419	604	13.2
Utah-----	1	5,700	3,793	56,078	719	106	52.9
Vermont 3/-----	0	9,400	10,973	122,800	4,060	294	41.8
Virginia-----	1	14,000	16,466	100,304	2,851	378	26.5
Washington-----	2	22,000	9,686	149,605	12,462	271	55.2
West Virginia 3/-	0	5,000	3,983	26,216	631	135	19.4
Wisconsin-----	6	87,000	103,945	1,291,835	22,419	2,402	53.8
Wyoming 3/-----	0	750	576	5,188	1,404	31	16.7
United States----	56	863,781	705,788	7,047,148	435,592	19,215	36.7

1/ Estimated.

2/ Statistical Reporting Service estimate of number of cows and heifers 2 years old and over kept for milk.

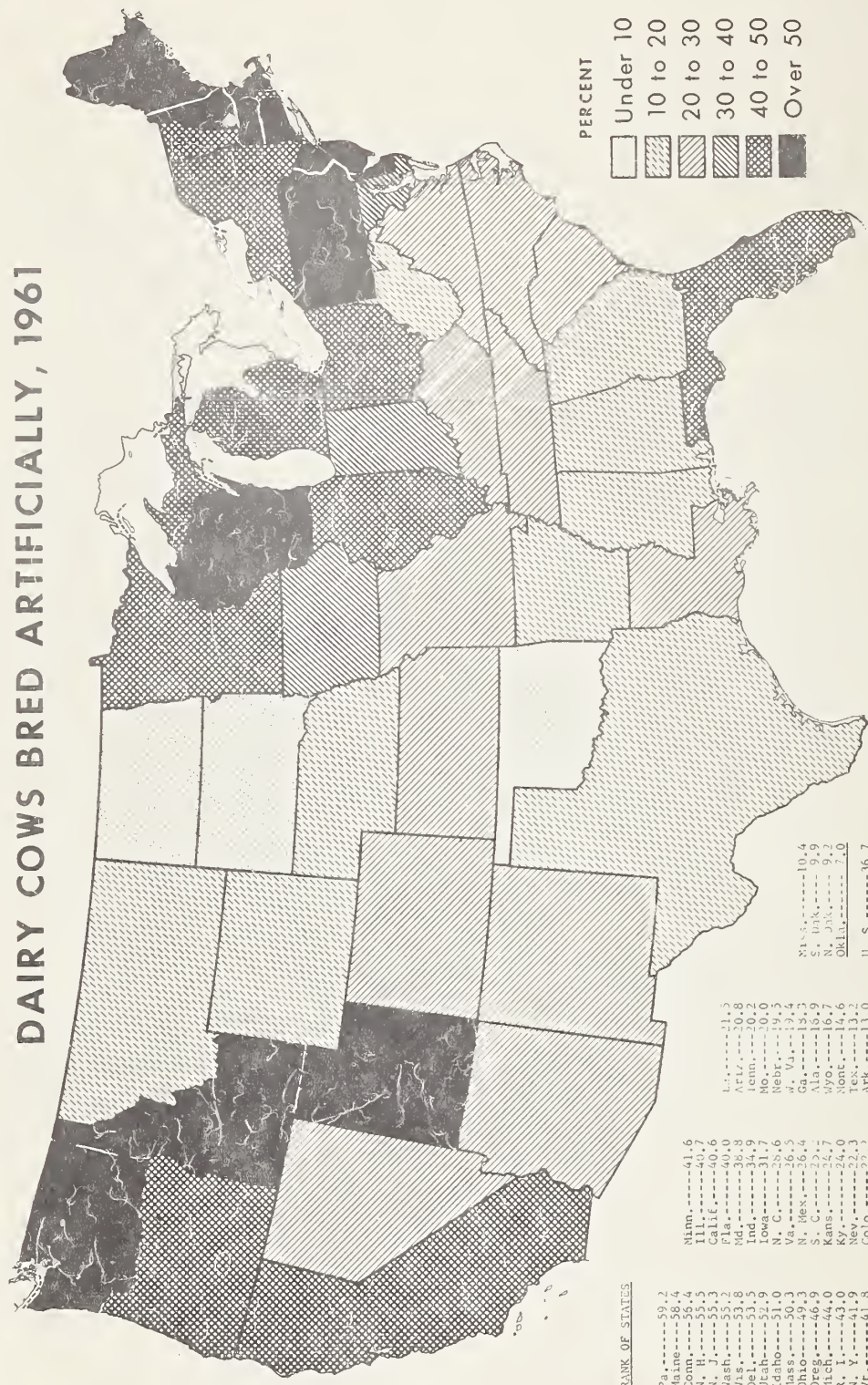
3/ Buys semen from studs in other States.

ARTIFICIAL-BREEDING ORGANIZATION BULL STUDS, JANUARY 1, 1962

State, Name, and Location of Studs	Number and breed of bulls used										Total cows bred 1961
	Ayr- shire	Brown Swiss	Guern- sey	Hol- stein	Jer- sey	Red Dane	Red Poll	Short- horn	Beef	Total	
ALASKA											
Matanuska Valley Breeders Association, Palmer -----	-	-	-	5	-	3	-	-	-	8	1,260
ARIZONA											
Eads Cattle Breeding Service, 2940 E. Thomas Rd., Phoenix 16 -	-	-	-	4	-	-	-	-	-	4	420
ARKANSAS											
Arkansas Dairy Breeders Association, Box 2, Fayetteville (discontinued)-----	-	-	-	-	-	-	-	-	-	-	4,709
CALIFORNIA											
Adohr Farms Inseminating Service, P.O. Box 88, Camarillo----	-	-	14	12	-	-	-	-	-	26	10,257
Calif. Dairy Breeders, Inc., P. O. Box 188, Davis-----	-	-	12	13	8	-	-	-	7	40	57,741
Excelsior Artificial Breeding Service, 7401 Adams, Corona--	-	1	3	10	-	-	-	-	-	14	19,671
Jessup Breeders, 11630 E. Artesia Blvd., Artesia-----	-	2	9	21	5	-	-	1	4	42	100,513
Pacific Dairy Coop., Inc., 1464 Middle Two Rock Rd., Petaluma-----	-	-	5	4	7	-	-	-	1	22	25,193
Total-----	-	3	43	65	20	-	-	1	12	144	213,375
COLORADO											
Colorado State University ABS, 805 S. Shields, Fort Collins -	-	-	-	2	-	-	-	1	6	9	15,095
CONNECTICUT											
New England Selective Breeding Association, Newton Road, Woodbridge-----	4	2	15	23	11	-	-	-	6	61	119,351
HAWAII											
Haleakala Ranch Dairy Farm, Makawao, Maui-----	-	-	-	2	-	-	-	-	-	2	300
ILLINOIS											
Curtiss Breeding Service, Inc., Cary-----	3	5	21	67	12	-	-	3	39	150	617,216
Northern Ill. Breeding Coop., Route 1, Hampshire-----	-	8	14	32	-	-	-	4	2	60	107,721
Southern Ill. Breeding Association, Breese-----	-	2	5	12	5	-	-	3	11	38	73,636
Total-----	3	15	40	111	17	-	-	10	52	248	798,573
INDIANA											
John A. Newman, Route 2, Box 21, Culver-----	-	-	-	6	-	-	-	-	-	6	896
IOWA											
Eastern Iowa Breeders, Box 1751, Cedar Rapids-----	4	7	13	25	5	-	-	5	20	79	169,507
Iowa Breeders Coop., Cornell & Hoffman Rd., Des Moines 13--	-	3	5	20	-	-	-	3	9	40	105,062
Total-----	4	10	18	45	5	-	-	8	29	119	274,569
KANSAS											
Kansas ABS Unit, Kansas State University, Manhattan-----	3	4	4	14	4	-	-	4	13	46	52,107
KENTUCKY											
Ky. Artificial Breeding Assn., Inc., 1930 Herr Lane, Louisville 7-----	-	4	6	11	9	-	-	-	11	43	107,463
LOUISIANA											
L. S. U. Dairy Improvement Center & Louisiana ABC, Inc., Baton Rouge 3-----	-	-	6	9	6	-	-	-	4	25	59,565
MAINE											
Maine Breeding Cooperative, Inc., Route 1, Augusta-----	1	1	12	12	11	-	-	4	3	44	56,569
MARYLAND											
Maryland-West Virginia Bull Stud, P.O. Box 555, Frederick--	4	4	7	17	6	-	-	-	5	43	99,291
MICHIGAN											
Michigan ABC, Inc., P. O. Box 511, East Lansing-----	4	5	12	36	8	2	-	6	21	94	259,243
MINNESOTA											
Consolidated Breeders Cooperative, Box 111, Anoka-----	-	5	7	23	3	-	-	5	10	53	242,610
Minnesota Valley Breeders Association, New Prague-----	2	3	12	34	3	-	-	3	12	69	321,496
Total-----	2	8	19	57	6	-	-	8	22	122	564,106
MISSISSIPPI											
Mississippi ABC, Box 354, State College-----	-	-	4	5	11	-	-	-	5	25	31,726
MISSOURI											
M. F. A. Dairy Breeders, P. O. Box 591, Springfield-----	-	3	11	13	14	-	-	6	15	62	81,727
NEBRASKA											
Nebraska ABA, Box 28, Fremont-----	-	3	4	11	1	-	-	5	16	40	37,282

State, Name, and Location of Studs	Number and breed of bulls used										Total cows bred 1961
	Ayr- shire	Brown Swiss	Guern- sey	Hol- stein	Jer- sey	Red Dane	Red Poll	Short- horn	Beef	Total	
NEW HAMPSHIRE											
New Hampshire-Vermont Breeding Assn., Box 350, Concord-----	2	-	12	11	12	-	-	-	5	42	66,181
NEW JERSEY											
New Jersey Cooperative Breeders Assn., Inc., Annandale-----	-	4	10	15	5	-	-	-	5	39	40,721
Sussex County Cooperative Breeding Assn., Inc., Route 3, Sussex-----	-	-	4	18	-	-	-	-	-	22	12,890
Total-----	-	4	14	33	5	-	-	-	5	61	53,611
NEW YORK											
New York ABC, Inc., P. O. Box 528, Ithaca-----	9	12	17	59	15	-	-	-	11	123	553,067
NORTH CAROLINA											
N. C. Institutional Breeding Program, Dept. Animal Industry, N. C. State College, Raleigh--	-	-	-	10	-	-	-	-	-	10	940
OHIO											
Central Ohio Breeding Assn., 1224 Alton-Darby Road, Columbus 4-----	5	10	12	25	10	-	1	-	-	63	240,012
NOBA, Inc., P. O. Box 1015, Tiffin-----	-	-	13	28	18	-	-	-	19	78	218,820
Total-----	5	10	25	53	28	-	1	-	19	141	458,832
OREGON											
Oregon Breeders Association, P. O. Box 48, Corvallis-----	-	-	12	10	11	-	-	-	5	38	52,650
PENNSYLVANIA											
First Pa. Artificial Breeding Cooperative, Route 1, Lewisburg	-	-	12	16	-	-	-	-	10	38	58,707
Lehigh Valley Coop. Farmers, Route 1, Allentown-----	4	1	6	14	3	-	-	-	4	32	33,157
NEPA Artificial Breeding Cooperative, Box 26, Tunkhannock---	7	-	12	19	6	-	-	-	5	49	110,538
Southeastern Pa. ABC, Box 254, Lancaster-----	3	1	10	16	4	-	-	-	4	38	152,198
Western Pa. ABC, Box 550, Clarion-----	5	5	15	19	8	-	-	-	8	60	143,407
Zimmerman Dairy Farm, Lehighton-----	-	-	-	6	-	-	-	-	-	6	2,000
Total-----	19	7	55	90	21	-	-	-	31	223	500,007
PUERTO RICO											
Puerto Rico Artificial Breeding Assn., Box 958, Dorado-----	-	4	-	11	-	-	-	-	2	17	19,872
TENNESSEE											
East Tennessee ABA, Route 10, Tipton Station Rd., Knoxville--	2	-	6	8	6	-	-	-	3	25	39,948
Tennessee Artificial Breeding Association, Brentwood-----	-	4	7	6	9	-	-	3	3	32	40,066
West Tennessee Artificial Breeding Assn., Yorkville-----	-	-	-	8	7	-	-	-	6	21	11,872
Total-----	2	4	13	22	22	-	-	3	12	78	91,886
TEXAS											
Texas A & M Dairy Breeding Center, Texas A & M College, College Station-----	-	-	-	2	2	-	-	-	6	10	696
UTAH											
Cache Valley Breeding Association, 1950 N. Main, Logan-----	4	4	13	16	14	-	-	3	17	71	79,876
VIRGINIA											
Virginia ABA, Inc., P. O. Drawer 391, Rocky Mount-----	1	-	7	12	5	-	-	-	4	29	67,434
WASHINGTON											
De Jongs' Supreme Bull Service, Route 1, Monroe-----	-	-	-	3	-	-	-	-	1	4	1,472
Evergreen Northwest Breeders, Inc., Box 197, Burlington-----	3	2	10	15	9	-	-	3	13	55	122,647
Total-----	3	2	10	18	9	-	-	3	14	59	124,119
WISCONSIN											
American Breeders Service, Madison-----	2	5	17	55	14	-	-	1	32	126	1,431,462
Associated Breeding Service, Lena-----	-	-	4	10	-	-	-	-	4	18	20,560
Badger Breeders Cooperative, Route 2, Shawano-----	-	6	20	29	6	-	-	-	7	68	373,007
East Central Breeders Assn., Coop., Box 191, Waupun-----	-	5	4	20	-	-	-	-	7	36	88,341
Piper Bros. Farms, Inc., Watertown-----	3	3	9	30	6	-	-	4	7	62	101,088
Tri-State Breeders Coop., Westby-----	-	5	19	53	5	-	-	5	12	99	421,464
Total-----	5	24	73	197	31	-	-	10	69	409	2,435,922
UNITED STATES-----											
	75	133	454	992	304	5	1	72	420	2,456	7,482,740

DAIRY COWS BRED ARTIFICIALLY, 1961



OFFICIALS IN CHARGE OF DAIRY BREEDING ORGANIZATIONS IN THE STATES

Ala-----R. Sam Jones, Jr., Extension Service, Auburn University, Auburn.
 Alaska---W. J. Sweetman, Dairy Husbandman, University of Alaska, Palmer.
 Ariz-----W. R. Van Sant, Extension Service, University of Arizona, Tucson.
 Ark-----Morris B. Ewing, Extension Service, University of Arkansas, Little Rock.
 Calif----C. L. Pelissier, Extension Service, University of California, Davis.
 Colo-----D. C. Jordan, Extension Service, Colorado State University, Ft. Collins.
 Del-----W. R. Hesseltine, Extension Service, University of Delaware, Newark.
 Fla-----C. W. Reaves, Extension Service, University of Florida, Gainesville.
 Ga-----W. H. McKinney, Extension Service, University of Georgia, Athens.
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 Idaho----George W. Cleveland, Extension Division, University of Idaho, Boise.
 Ill-----J. G. Cash, Extension Service, University of Illinois, Urbana.
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 N. J-----E. T. Oleskie, Extension Service, College of Agriculture, New Brunswick.
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 N. Y-----Raymond Albrechtsen, Extension Service, Cornell University, Ithaca.
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 P. R-----Cesar E. Gonzalez, Director, AI Program, P. O. Box 958, Dorado.
 R. I-----J. W. Atwood, Extension Service, University of Rhode Island, Kingston.
 S. C-----C. G. Cushman, Extension Service, Clemson Agricultural College, Clemson.
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 Utah-----J. J. Barnard, Extension Service, Utah State University, Logan.
 Vt-----W. A. Dodge, Extension Service, University of Vermont, Burlington.
 Va-----V. L. Baldwin, Agri. Extension Division, Virginia Polytechnic Institute,
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 Wash-----K. I. Gross, Extension Service, Washington State University, Pullman.
 W. Va-----W. L. Northern, Agri. Extension, West Virginia University, Morgantown.
 Wis-----G. M. Werner, Extension Service, University of Wisconsin, Madison 6.
 Wyo-----I. W. Slater, Extension Division, University of Wyoming, Laramie.



Growth Through Agricultural Progress